



<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/870,302		
		Filing Date	May 29, 2001		
		First Named Inventor	Raciborski, Nathan R.		
		Art Unit	2152		
Sheet	1	of	1	Examiner Name	
				Attorney Docket Number	019396-000510US

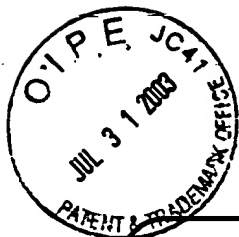
**RECEIVED**  
SEP 26 2003  
Technology Center 2100

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
KLP KLP KLP KLP KLP	A1	US-5,805,804	09-08-1998	Laursen et al.	
	A2	US-6,052,718	04-18-2000	Gifford	
	A3	US-6,175,869 B1	01-16-2001	Ahuja et al.	
	A4	US-6,311,216 B1	10-30-2001	Smith et al.	
	A5	US-6,345,303 B1	02-05-2002	Knauerhase et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	B1							<input type="checkbox"/>
	B2							<input type="checkbox"/>
	B3							<input type="checkbox"/>
	B4							<input type="checkbox"/>
	B5							<input type="checkbox"/>
	B6							<input type="checkbox"/>
	B7							<input type="checkbox"/>
	B8							<input type="checkbox"/>

Examiner Signature		Date Considered	5-11-04
-----------------------	--	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.  
60042947 v1



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Page 1 of 1

### Complete if Known

Application Number	09/870,302
Filing Date	May 29, 2001
First Named Inventor	Raciborski, Nathan F., et. al.
Art Unit	2152
Examiner Name	
Attorney Docket Number	019396-000510US

### U.S. PATENT DOCUMENTS

Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
KD	A1	US-6,055,570	04/25/2000	Nielson	
	A2	US-			

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	B1					<input type="checkbox"/>
	B2					<input type="checkbox"/>

RECEIVED

AUG 01 2003

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1		
	C2		

Examiner Signature		Date Considered	5-16-04
-----------------------	--	--------------------	---------

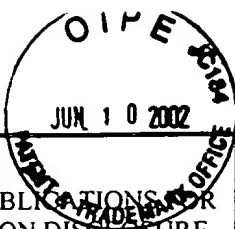
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



COPY OF PAPERS  
ORIGINALLY FILED

FORM PTO-1449 (Modified)

Attorney Docket No.: 19396-000510

Application No.: 097870,302

LIST OF PATENTS AND PUBLICATIONS OR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT (Use several sheets if necessary)

Applicant: Nathan F. Raciborski et al.

Filing Date: May 29, 2001

Group: 2152

Reference Designation

U.S. PATENT DOCUMENTS

Page 1

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
_____ AA						
_____ AB						
_____ AC						
_____ AD						
_____ AE						
_____ AF						
_____ AG						
_____ AH						
_____ AI						
_____ AJ						
_____ AK						
_____ AL						

RECEIVED  
JUN 13 2002  
Technology Center 2100

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
<u>100</u> AM	EP0847020A2	06/10/1998	Europe			
<u>100</u> AN	WO99/05584	02/04/1999	PCT			
<u>100</u> AO	WO99/40514	08/12/1999	PCT			
<u>100</u> AP	WO99/03047	01/21/1999	PCT			
<u>100</u> AQ						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

_____ AR	Alex Rousskov et al., <i>Cache Digests</i> , <u>Computer Networks and ISDN Systems</u> , North Holland Publishing, Amsterdam, NL, Nov. 25, 1998, Vol. 30, No. 22-23, pgs. 2155-2168.
_____ AS	
_____ AT	
_____ AU	
_____ AV	

EXAMINER

DATE CONSIDERED

5-11-04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of

## Complete if Known

Application Number 09/870,302  
Filing Date May 29, 2001  
First Named Inventor Raciborski, Nathaniel  
Group Art Unit  
Examiner Name  
Attorney Docket Number 019396-000519US

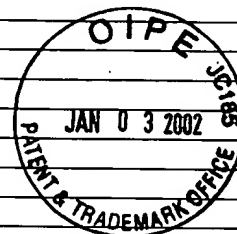
RECEIVED

JAN 08 2002

Technology Center 2100

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
1P	AA	5,956,716		Kenner, et al.	09/21/99	
KP	AB	6,003,030		Kenner, et al.	12/14/99	
KP	AC	6,101,180		Donahue, et al.	08/08/00	
KP	AD	6,108,703		Leighton, et al.	08/22/00	
KP	AE	6,112,239		Kenner, et al.	08/29/00	
KP	AF	6,185,598	B1	Farber, et al.	02/06/01	
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					
	AM					
	AN					
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					



## FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	.T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
KP	AU	PCT	WO 00/73922	A2	Entera, Inc.	12/07/00		
KP	AV	PCT	WO 00/74347	A1	Entera, Inc.	12/07/00		
KP	AW	PCT	WO 00/79730	A2	Digital Island, Inc.	12/28/00		
	AX							
	AY							
	AZ							
	BA							

Examiner  
Signature

Date  
Considered

5-11-04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DE 7052963 v1

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

3

of

## Complete if Known

Application Number	09/870,302
Filing Date	May 29, 2001
First Named Inventor	Raciborski, Nathan F.
Group Art Unit	
Examiner Name	
Attorney Docket Number	019396-000510

RECEIVED

JAN 08 2002

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
BC	/	<i>How FreeFlow Works</i> (2 pages), <i>Content Delivery</i> (1 page), <i>FreeFlow Benefits</i> (1st page only of 2), <i>Reporting</i> (1 page) and <i>Edge Advantage</i> (1 page), <u>Akamai Technologies, Inc.</u> , <a href="http://www.akamai.com/html/sv/code_ffhow.html">http://www.akamai.com/html/sv/code_ffhow.html</a> , September 12, 2000.
BD	/	<i>Detail-Rich, Multimedia Streaming Solution</i> , <u>Mirror Image Internet, Inc.</u> , <a href="http://www.mirror-image.com">www.mirror-image.com</a> , (2 pages).
BE	/	Simon Burns, <i>Speed Demons</i> , <u>Far Eastern Economic Review</u> , April 20, 2000, Vol. 163, N. 16, page 2 only of 21.
BF	/	John Dilley et al., <i>Improving Proxy Cache Performance: Analysis of Three Replacement Policies</i> , <u>IEEE Internet Computing</u> , (1999) Vol. 3, N. 6, pgs. 44-50.
BG	/	Geoff Huston, Telstra, <i>Web Caching</i> , <u>Cisco Systems, Inc.</u> , <a href="http://www.cisco.com/warp/public/759/ipj_2-3/ipj_2-3_webcaching.html">http://www.cisco.com/warp/public/759/ipj_2-3/ipj_2-3_webcaching.html</a> , pgs. 1-24.
BH	/	Geoff Huston, <i>Internet Performance Survival Guide QoS Strategies for Multiservice Networks</i> , Wiley Computer Publishing, John Wiley & Sons, Inc., New York, NY, (2000) pgs. 258-259, 276-277, 449-452.
BI	/	Allan Leinwand, <i>A Distributed-Star Overnet For Global Business Applications</i> , <u>IEEE Globecom 1998</u> , Sydney, November 8-12, 1998, Vol. 2, pgs. 1291-1296.
BJ		
BK		
BL		
BM		

Examiner  
Signature

Date  
Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.  
DE 7052963 v1